

***Briefing on:***

***NORTHEAST BOUNDARY NEIGHBORHOOD  
PROTECTION PROJECT***

***FIRST STREET TUNNEL***

***Briefing for:***

***Flagler Place Residents***



**May 7, 2013**

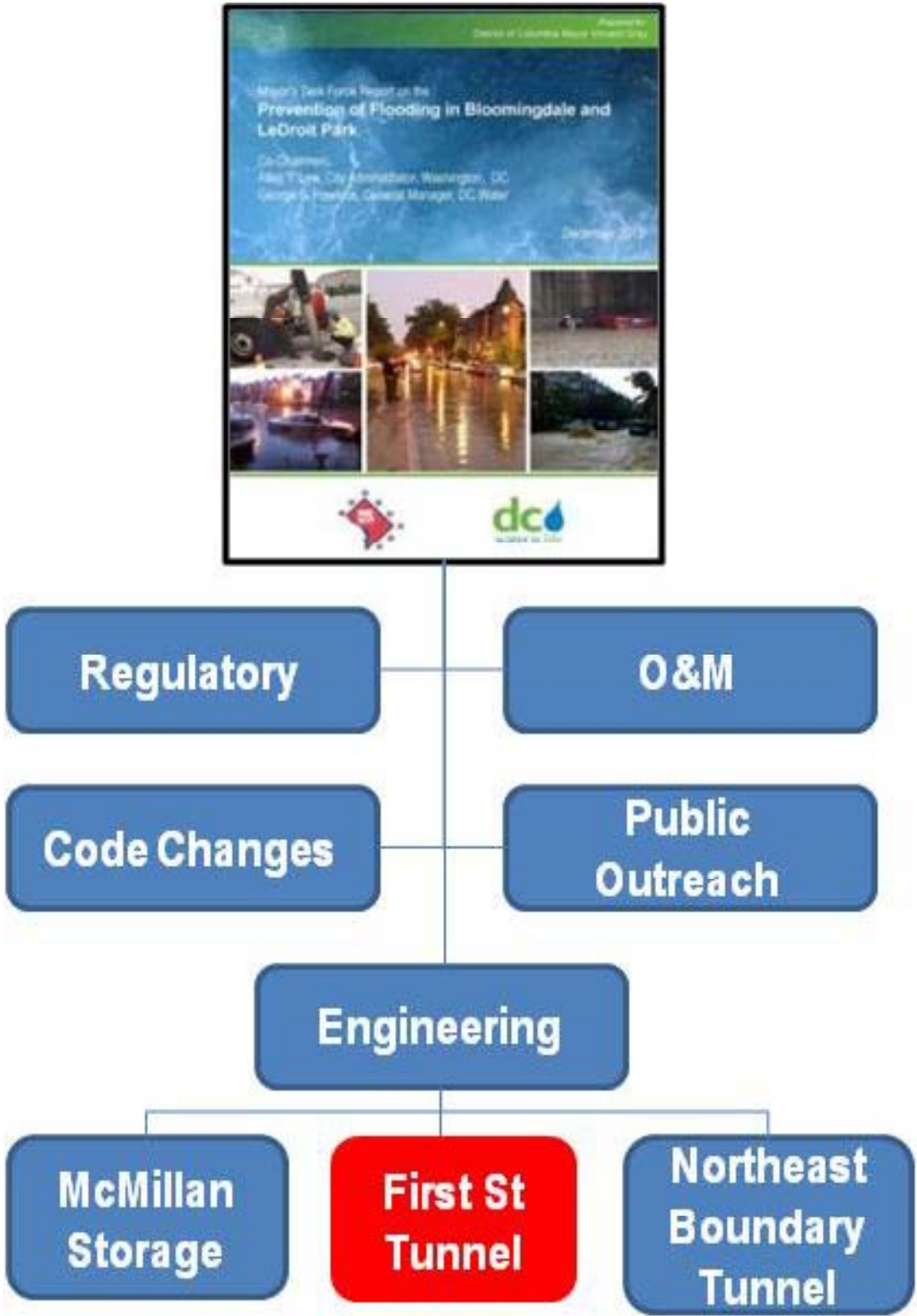
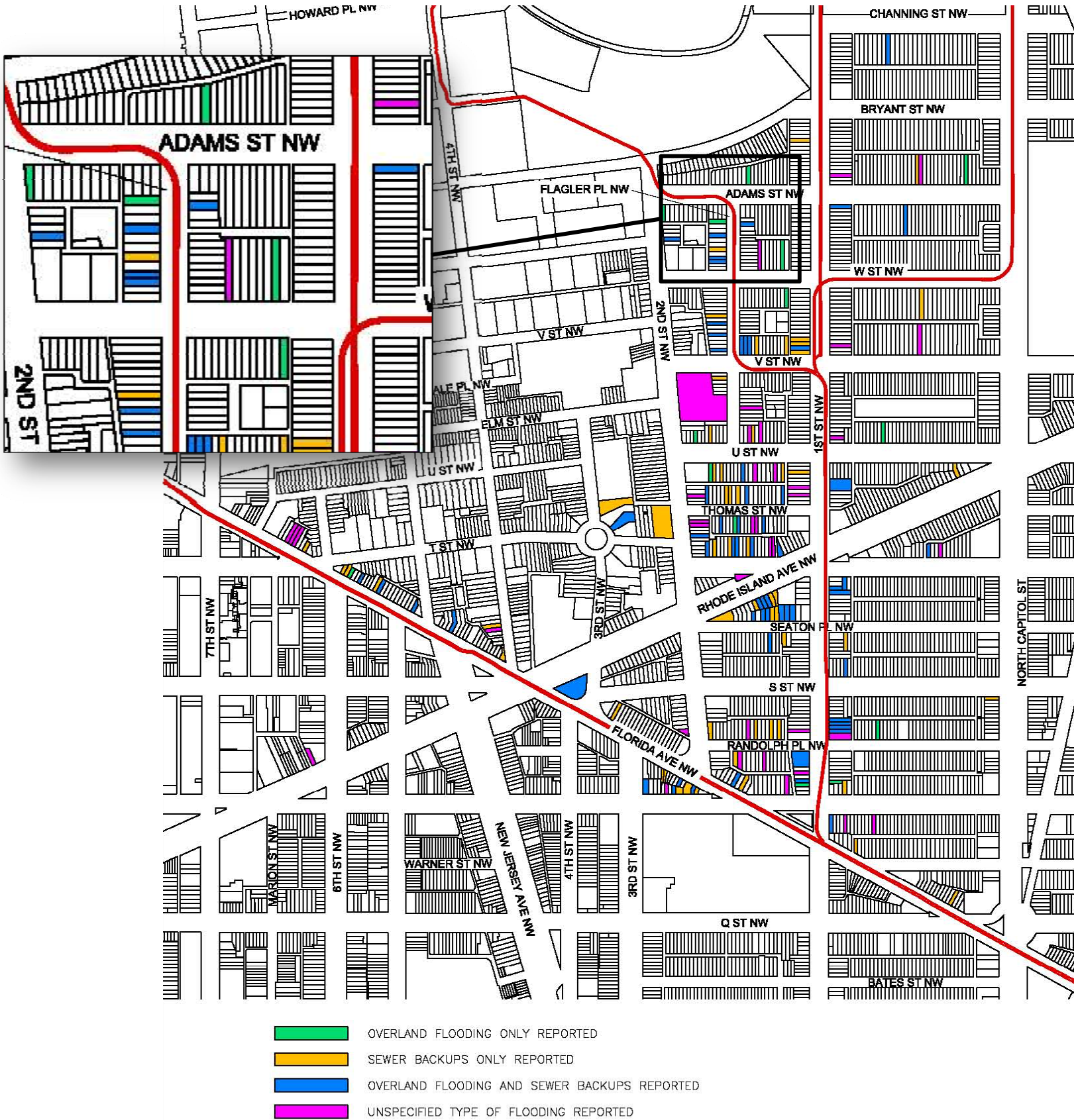


# Flooding has been a Chronic Problem





# Mayor's Task Force & Reported Flooding





# Three-step Infrastructure Plan To Mitigate Flooding

1

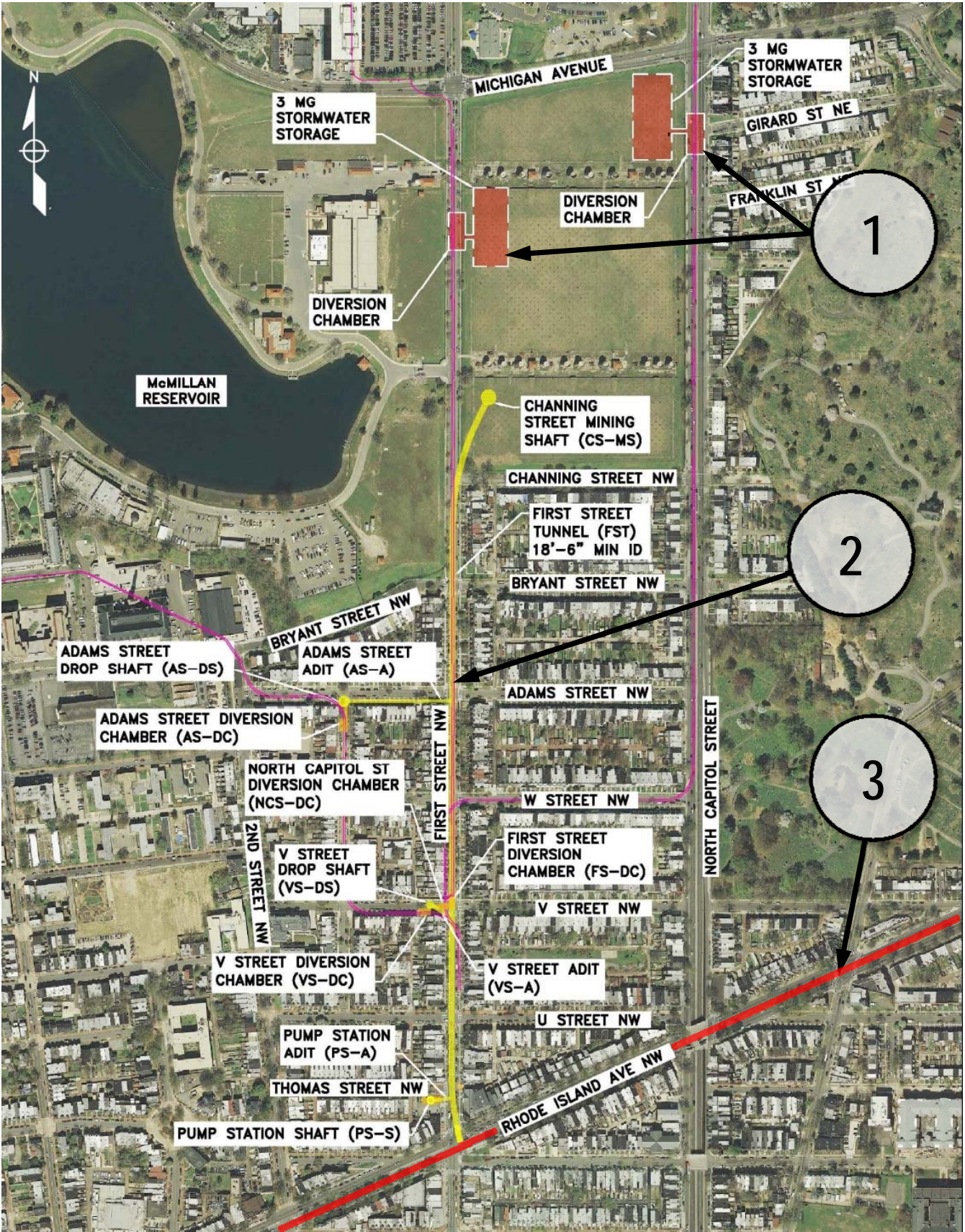
MCMILLAN STORMWATER STORAGE  
6 million gallons

2

FIRST STREET TUNNEL  
6 million gallons

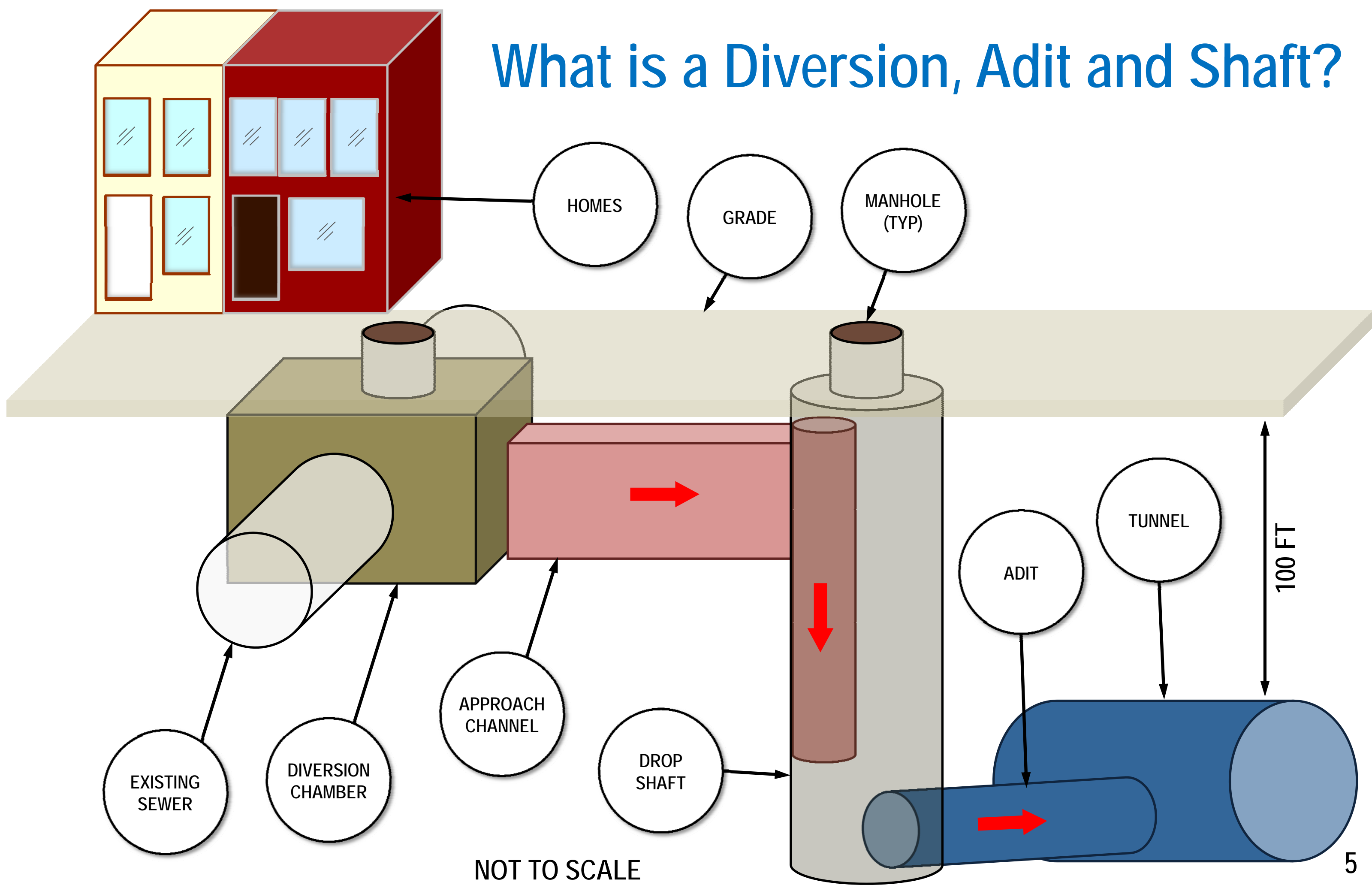
3

NORTHEAST BOUNDARY TUNNEL  
Gravity System to Blue Plains





# What is a Diversion, Adit and Shaft?





# Are there other Communities with CSO Tunnels?

## Atlanta, GA CSO

---





# Are there other Communities with CSO Tunnels?

## Portland, OR Big Pipe

Shaft & Diversion



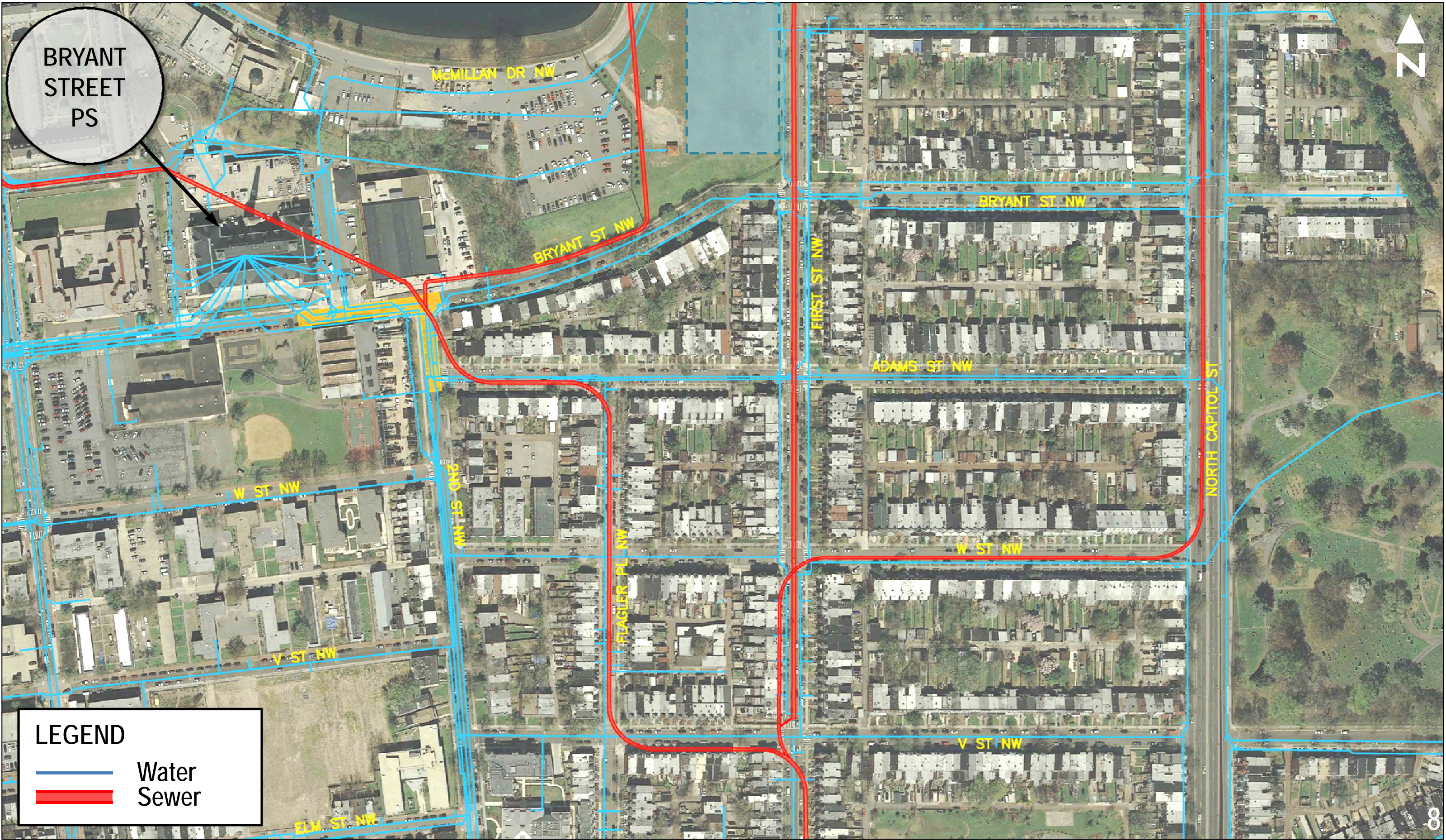
Adit



Shaft & Diversion

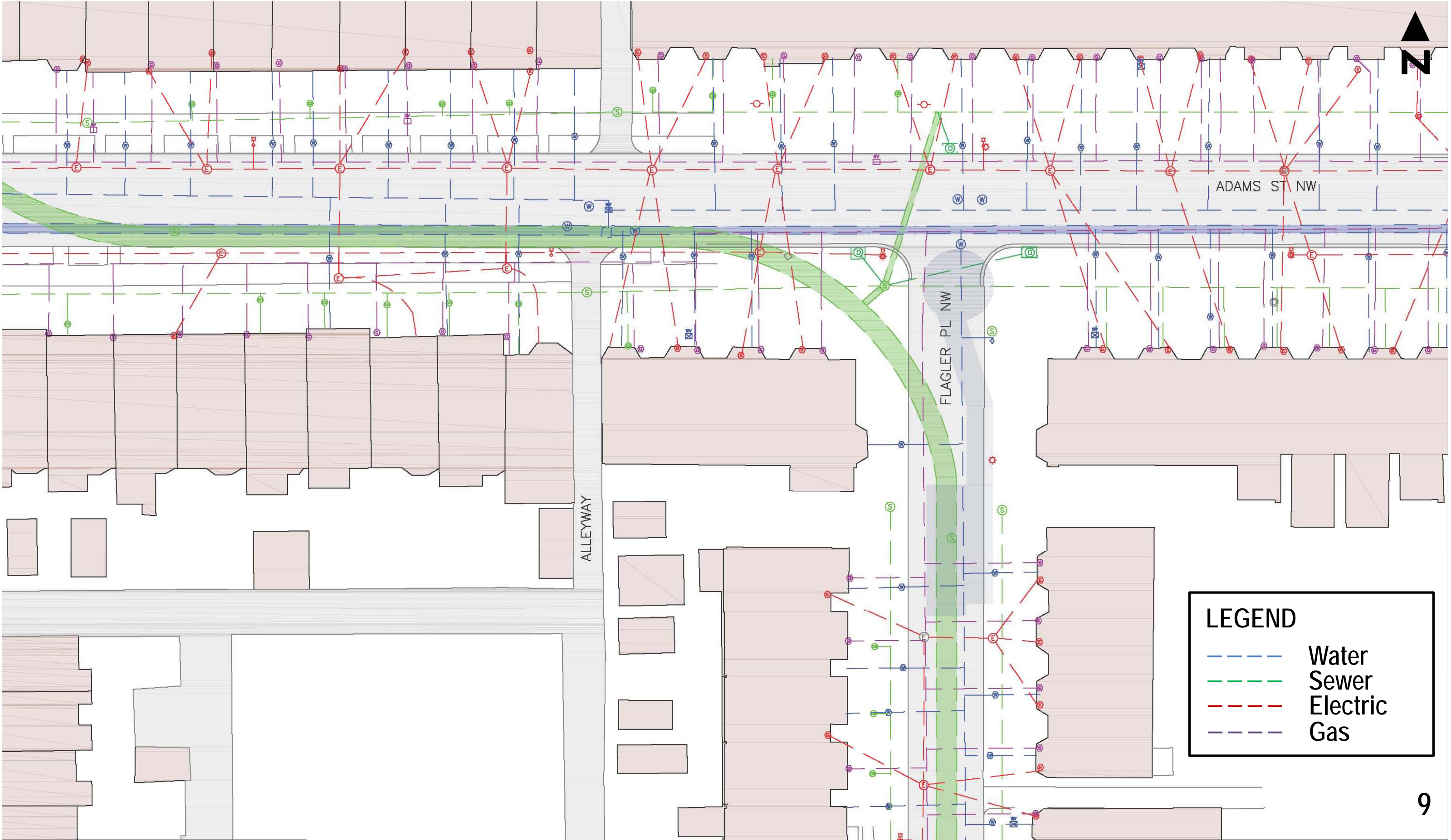


# Locate Structures North of the Neighborhood?





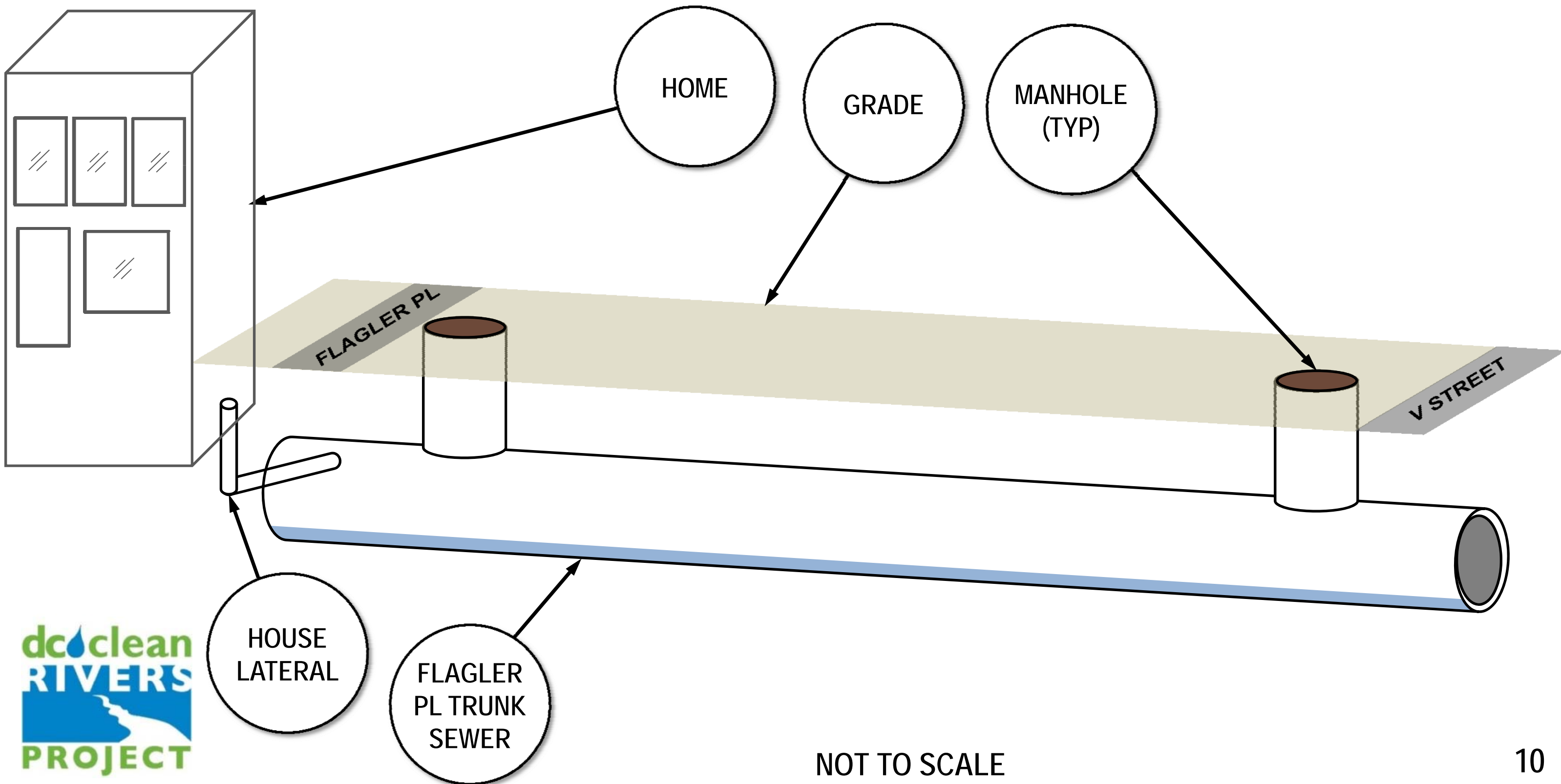
# Locate Structures on Adams Street?





# Why are there Two Diversion Chambers?

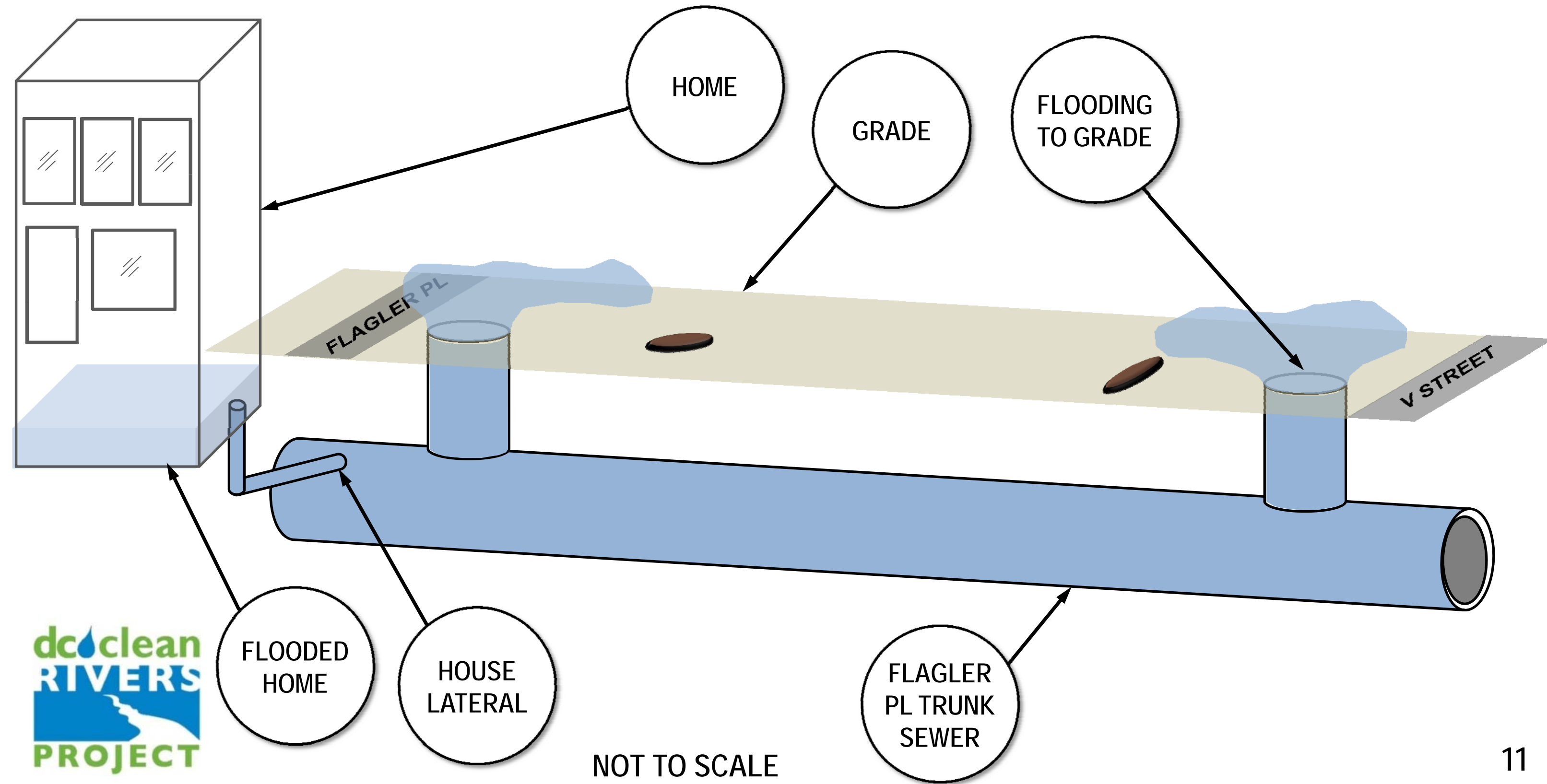
## Dry Weather Conditions





# Why are there Two Diversion Chambers?

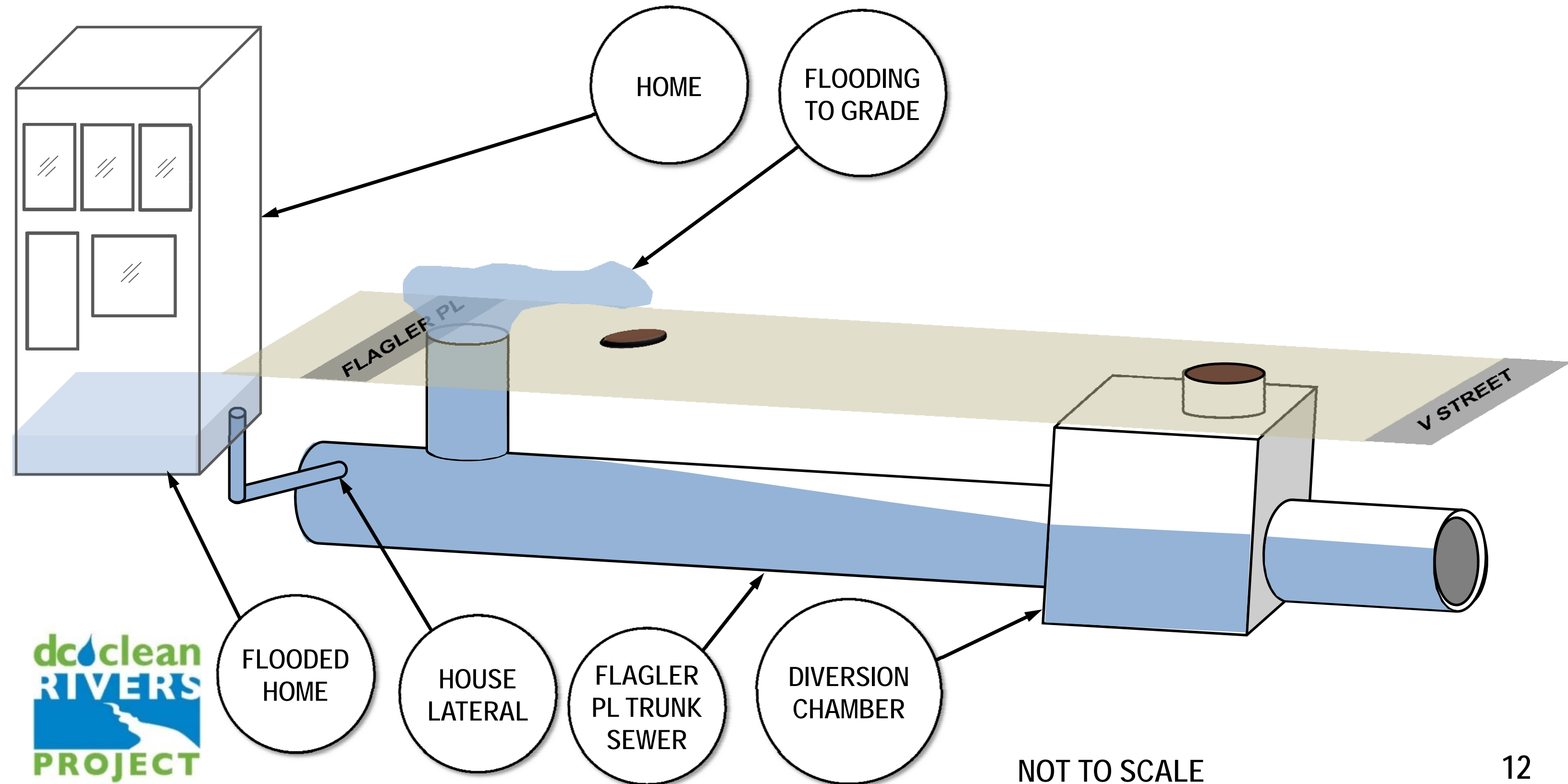
## Storm Event – Current Conditions





# Why are there Two Diversion Chambers?

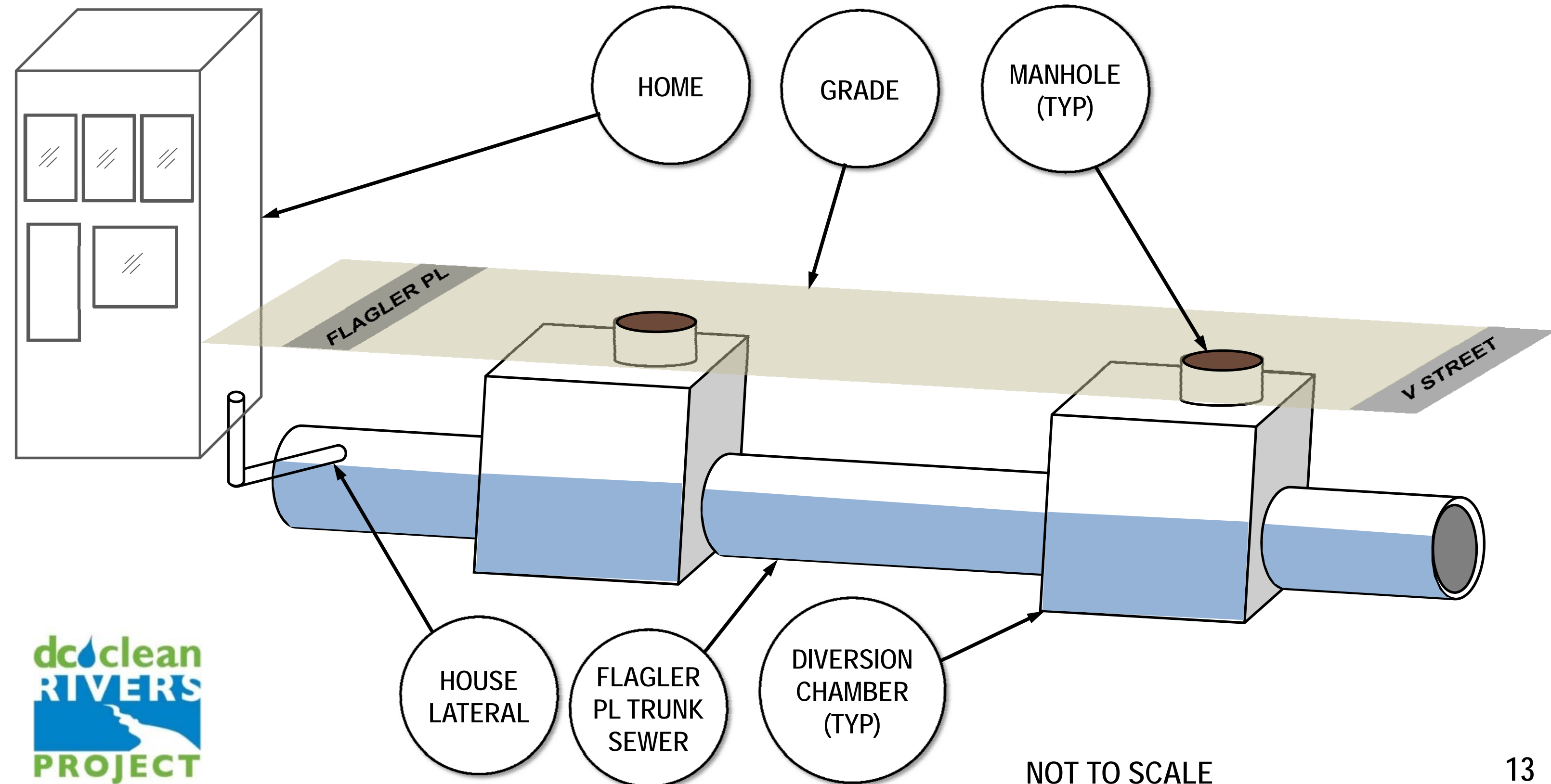
## Storm Event – One Diversion Chamber





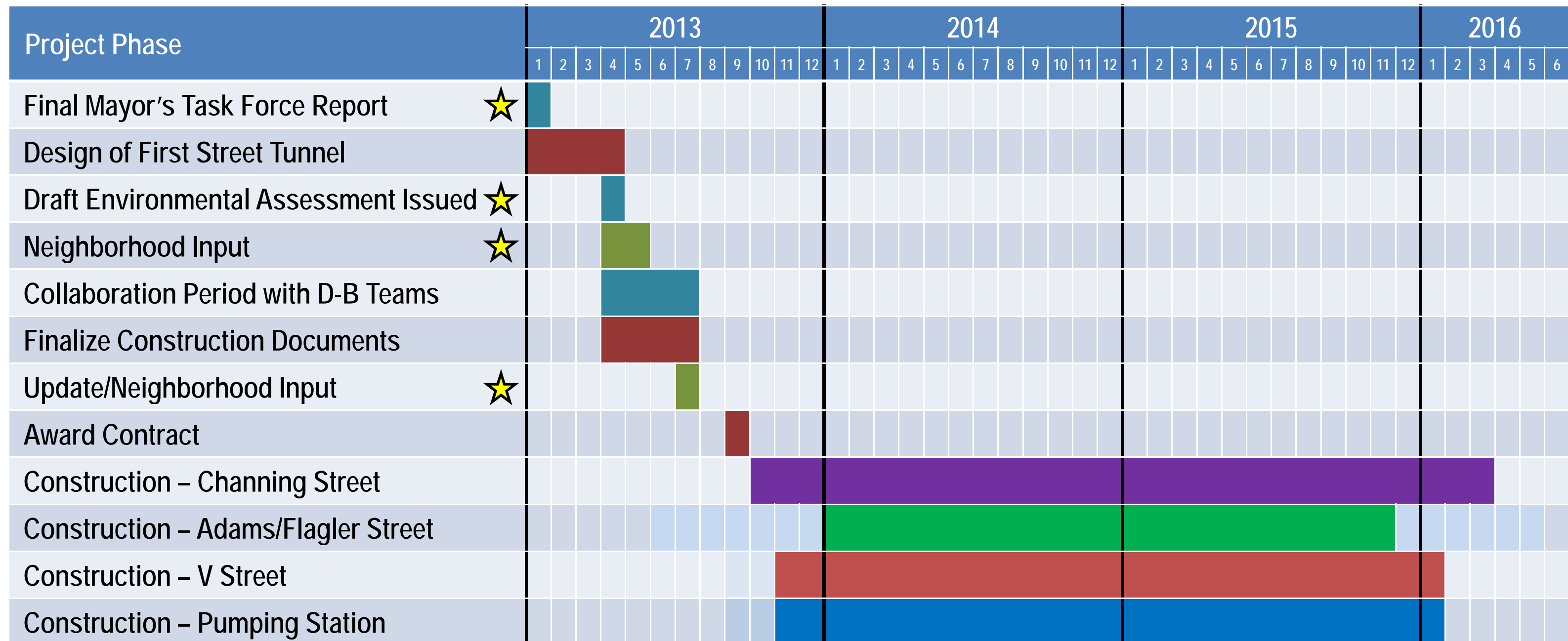
# Why are there Two Diversion Chambers?

## Storm Event – Two Diversion Chambers





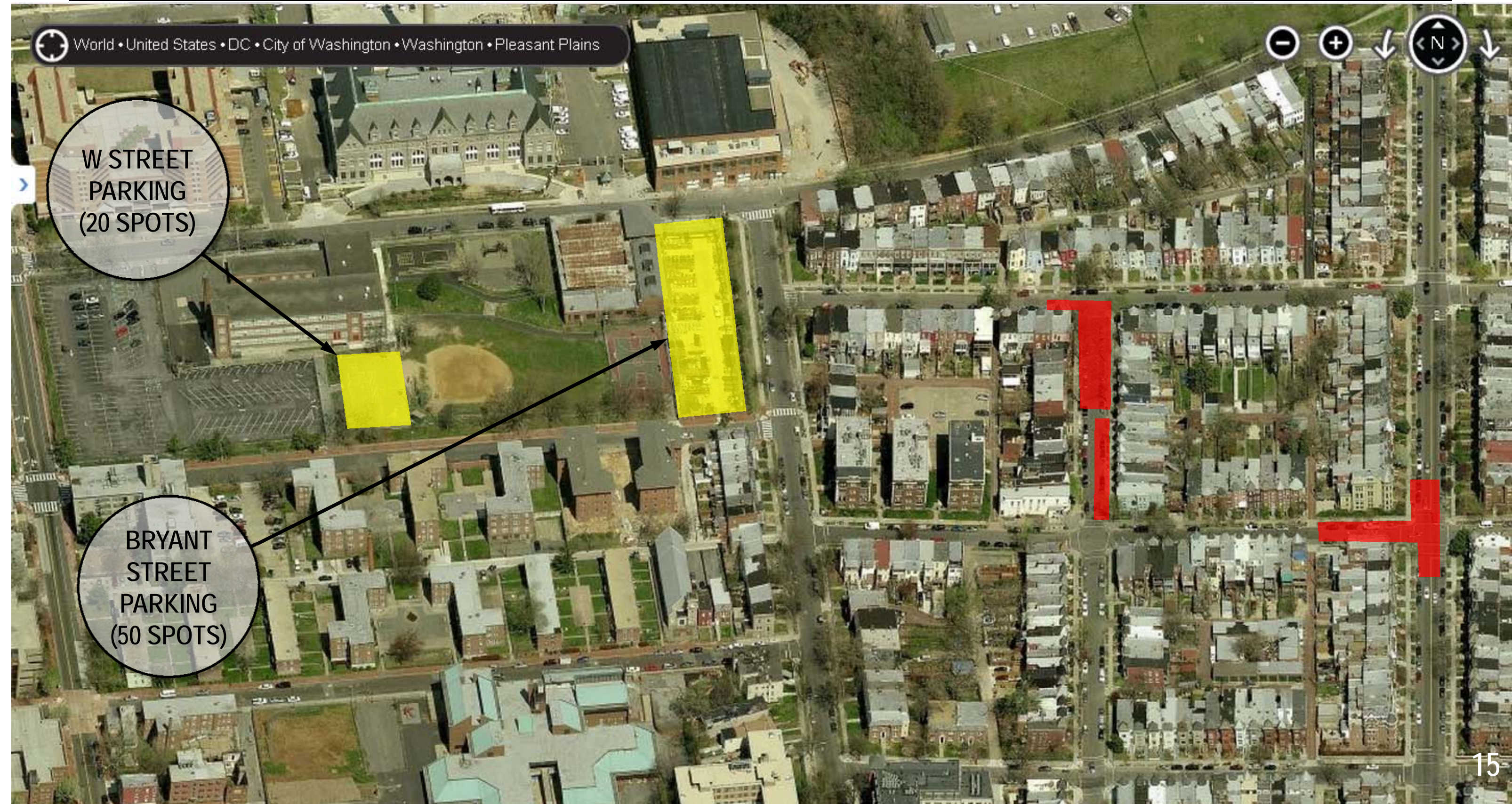
# What Happens Next?



★ Public comment period



# Alternative Parking





# Existing Conditions





# Construction Staging Area Alternatives

## Alternative A: Flagler Place





# Construction Staging Area Alternatives

## Alternative B: Adams Street





# Conceptual Construction Phasing

## Phase 1: Shaft Construction

EXAMPLE OF ONE OF MANY  
POTENTIAL CONSTRUCTION OPTIONS\*  
\*ACTUAL SIZE OF STAGING AREA WILL BE BASED ON  
CONTRACTOR'S MEANS AND METHODS





# Conceptual Construction Phasing

## Phase 2: Diversion Chamber Construction

EXAMPLE OF ONE OF MANY  
POTENTIAL CONSTRUCTION OPTIONS\*

\*ACTUAL SIZE OF STAGING AREA WILL BE BASED ON  
CONTRACTOR'S MEANS AND METHODS





# Conceptual Construction Phasing

## Phase 3: Adit Construction

EXAMPLE OF ONE OF MANY  
POTENTIAL CONSTRUCTION OPTIONS\*  
\*ACTUAL SIZE OF STAGING AREA WILL BE BASED ON  
CONTRACTOR'S MEANS AND METHODS

ADAMS  
STREET  
DROP  
SHAFT

ADAMS  
STREET  
DIVERSION  
CHAMBER





# Examples of Staging Areas



Washington, DC: M Street SE



Portland, OR



# Final Conditions





# Next Steps

---

- Continue coordination with neighborhood
- Continue coordination with Fire & EMS
- Continue coordination with DDOT
- Refine sizes of construction areas through Collaboration Period
- Finalize construction documents & update residents
- Award construction contract – October 2013
- Contractor briefing to neighborhood on proposed work plan and schedule prior to construction
- Outreach and coordination with neighborhood
- Construction completion – January 2016



# Further Questions?

---

COMMUNITY OUTREACH

202-787-4447

PROJECT EMAIL

[DCCleanRivers@dcwater.com](mailto:DCCleanRivers@dcwater.com)

NE BOUNDARY NEIGHBORHOOD PROTECTION PROJECT WEBSITE

<http://www.dewater.com/mcmillan>

DC CLEAN RIVERS PROJECT WEBSITE

<http://www.dewater.com/cleanrivers>

